CONTENTS

NO. 1 FEBRUARY

B. S. WILSON AND S. FERRONE. Antibodies to human Ia-like antigens and heterologous anti-human lymphocyte sera 1

SIMONE MAYER, D. GRANGE, M. M. TONGIO, G. HAUPTMANN AND J. KLEIN. Haplotype study of the HLA-A, B, C and Bf associations by the factorial correspondence analysis. A study of 325 haplotypes 7

T. A. POTTER, I. F. C. MCKENZIE AND M. C. CHERRY. Murine lymphocyte alloantigens: the Ly-4 locus 15

H. SATO, S. KIMURA AND K. ITAKURA. Genetic and serologic re-evaluation of LyM-1 antigen specified by a gene closely linked to *Mls*: establishment of LyM-1 antigen of the mouse 27

J. R. ARCHER AND A. EDNA DEWAR. Preparation and properties of antisera to Mph-1, the mouse macrophage alloantigen 41

D. N. MISRA, T. J. GILL III AND H. W. KUNZ. Characterization of the RT2 antigens of the rat erythrocyte membrane 51

SHORT COMMUNICATIONS

M. PIERRES, J.-P. REBOUAH, A. LIABEUF AND M. DOSSETO. Mouse monoclonal antibody against Lyt-1.1 alloantigen 67

W. J. MARTIN AND M. IMAMURA. Differential susceptibility of spleen cells from C3H/HeN (H-2^k) and C3HfB/HeN (H-2^{kv1}) mouse strains to cytotoxicity by monoclonal anti-K^k antibody (clone 11-4) 73

BOOK REVIEWS 77

BOOKS RECEIVED 78

NO. 2 APRIL

W. DAHR, M. METAXAS-BÜHLER, M. N. METAXAS AND E. GALLASCH. Immunochemical properties of M^g erythrocytes 79

BARBARA PEPPER, ELKE P. NOEL AND N. R. FARID. The putative anti-thyrotrophin receptor antibodies of Graves' disease. I. Gm allotypes 89

D. P. ESKINAZI, G. A. MOLINARO, R. A. REISFELD AND S. FERRONE. Cellular and molecular heterogeneity of H-2^k antigens 101

DVORA TEITELBAUM AND RUTH ARNON. Genetic analysis of susceptibility to experimental allergic encephalomyelitis in guinea-pigs 107

WINIFRED M. WATKINS, A. D. YATES, PAMELA GREENWELL, G. W. G. BIRD, M. GIBSON, T. C. F. ROY, JUNE WINGHAM AND W. LOEB. A human dispermic chimaera first suspected from analyses of the blood group gene-specified glycosyltransferases 113

Y. OHSUGI, M. E., GERSHWIN AND A. AHMED. Study of congenitally immunologic mutant New Zealand mice. V. B cell function of NZB-X^{Id} mice 129

A. F. GECZY AND NELLY COULITS. Genetic control of allogeneic interactions in the guinea-pig. II. Evidence for alloantigen-specific suppressor cells in the guinea-pig mixed leukocyte culture 139

P. AVNER, R. BONO, R. BERGER AND M. FELLOUS. Characterization of human teratoma cell lines for their *in vitro* developmental properties and expression of embryonic and major histocompatibility locus-associated antigens 151

BOOK REVIEW 163

BOOKS RECEIVED 163

No. 3 JUNE

J. J. MARCHALONIS AND A. C. WANG. A marmoset T-lymphocyte protein related to defined human serum immunoglobulin and fragments 165

D. PIATIER, P. DEBRE, P. S. MACH AND S. GISSELBRECHT. Genetic control of antinuclear antibodies in mice inoculated with the Moloney leukaemia virus ... 177

H. SATO, S. NATSUUME-SAKAI, M. KATAGIRI AND K. ITAKURA. Location of *Lym-1* locus on *Mus musculus* chromosome 1 185

T. OHHASHI, K. IWABUCHI, T. NATORI, H. NAKAGAWA, Y. KIKUCHI AND M. AIZAWA. The B region associated antigens and MLR phenotypes in the Japanese inbred strains of rats 191

R. A. MCBRIDE, J. A. CUTTING, L. W. SCHIERMAN, F. R. STREBEL AND D. H. WATANABE. *MHC* gene control of growth of avian sarcoma virus-induced tumours in chickens: a study on the role of virus strain 207

J. A. CUTTING, D. H. WATANABE, F. R. STREBEL AND R. A. MCBRIDE. Complementing MHC- and non-MHC-linked genes and resistance to avian sarcoma virus-induced tumours in inbred lines of chickens 215

GIOVANNA DE BENEDICTIS AND P. CAPALBO. An *Amphioxus lanceolatus* agglutinating factor for human red cells 225

SHORT COMMUNICATIONS

DIANE K. WAGENER, T. J. GILL III AND H. W. KUNZ. Calculation of recombination frequency from F_2 hybrids 231

Contents

C. F. SCHOTT, ELAINE F. LIZZIO AND B. MERCHANT. Evidence for an H-2-linked *Ir* gene regulating the immune response to a TI-2 antigen, DNP-Ficoll 235

J. L. VANDEBERG, G. N. BITTNER, G. S. MEYER, H. W. KUNZ AND T. J. GILL III. Linkage of neuraminidase and α-mannosidase to the major histocompatibility complex in the rat 239

L. KENDRICK, C. DUNSTAN-ADAMS, J. HUMPHREYS, M. PLANTOS, B. P. L. MOORE, C. LOMAS AND G. L. DANIELS. The rare Rh haplotypes -D- and --- in a family with a -D-/--- propositus 243

NO. 4 AUGUST

O. K. BARANOV, I. I. FOMICHEVA, D. V. TERNOVSKY AND J. G. TERNOVSKAYA. Interspecific distribution of allotypic mink (*Mustela vison*) IgG antigens 249

C. CHAPUIS-CELLIER, M. VERDIER, J. C. LEPETIT, H. H. FUDENBERG AND P. ARNAUD. Pi-Gm linkage. Evidence for linkage in males but not in females and for an effect of the *S* allele of the Pi system 257

J. SELLEI. The occurrence of Thomsen–Friedenreich receptors in bovine erythrocytes of various *FV* genotypes 263

S. YAMAMOTO AND I. SAKAI. Composition and immunochemical properties of glycoproteins with anti-B agglutinin activity isolated from *Euonymus Sieboldiana* seeds 271

E. S. CURTONI, M. A. PELLEGRINO, F. INDIVERI, I. BORELLI AND S. FERRONE. Persistence of cytotoxic antibodies to HLA-A, B, C, antigens and to Ia-like antigens in parous women 281

H. O. MCDEVITT. The role of H-2 I region genes in regulation of the immune response 287

J. A. CUTTING, D. H. WATANABE, F. R. STREBEL, P. K. VOGT AND R. A. MCBRIDE. Heterologous tumour growth patterns induced in related MHC-defined chicken lines by separate isolates of an avian sarcoma virus strain 297

O. ARENAS, D. K. WAGENER, H. W. KUNZ AND T. J. GILL III. Comparison of the haplotypes of the major histocompatibility complex in the rat. V. A serological, genetic and numerical study of the RT1.A region antigens 307

C. J. KRCO, A. L. KAZIM, M. Z. ATASSI AND C. S. DAVID. Genetic control of the immune response to haemoglobin. I. Demonstration of separate genetic control of the responses to the α- and β-subunits by *in vitro* lymphocyte proliferation . . 315

P. F. HALLORAN, R. R. RICHARDS, MARLENE STUBBS AND M. GIDON. Evidence for expression of Ly-6.2 on non-bone marrow-derived cells in kidney, skin and connective tissues 323

BOOK REVIEW 335

BOOKS RECEIVED 335

NO. 5 OCTOBER

E. Cacciari, M. Masi, Maria Pia Fantini, F. Licastro, A. Cicognani, P. Pirazzoli, Maria Pia Villa, F. Specchia, A. Forabosco, C. Franceschi and L. Martoni. Serum immunoglobulins and lymphocyte subpopulations derangement in Turner's syndrome 337

T. W. Jungi, H. W. Kunz and T. J. Gill, III. Genetic control of cell-mediated immunity in the rat. I. Transfer of DTH to bacterial antigens is restricted by the B region of RT1 345

S. K. Kundu, A. Suzuki, Bernice Sabo, Joan McCreary, E. Niver, R. Harman and D. M. Marcus. Erythrocyte glycosphingolipids of four siblings with the rare blood group p phenotype and their parents 357

A. S. G. Curtis and M. D. J. Davies. H-2D antigens released by thymocytes and cell adhesion 367

M. N. Blumenthal, E. Yunis, G. Gleich, N. Mendell, P. Stoy, G. Walsh and B. Roitman-Johnson. Lack of association of the immune response to ragweed antigen E, Ra3 and Ra5 with the HLA system 379

C. R. Young, G. P. O'Connor and M. Z. Atassi. Genetic control of the immune response to myoglobin. VIII. Control of antibody affinity 387

C. J. Krco, A. L. Kazim, M. Z. Atassi and C. S. David. Genetic control of the immune response to haemoglobin. II. Studies using purified α-chain and β-chain as immunogens 395

M. P. Colombo and G. Parmiani. Importance of *non-H-2* genes in the control of the *in vivo* growth of the virus induced lymphoma YC8 405

Short Communications

J. C. Le Petit, Erna Van Loghem, Gerda de Lange, F. C. Berthoux, Colette Chapuis-Cellier and J. L. Serre. Gm, Am, Pi and Km markers in mesangial IGA glomerulonephritis 415

M. G. Yogore III and M. S. Schanfield. Immunoglobulin allotypes in Filipinos. I. Lack of association between *Schistosoma japonica* infection and immunoglobulin allotypes 419

Book Received 424

NO. 6 DECEMBER

M. J. Rees and A. W. Nordskog. Genetic control of serum immunoglobulin G levels in the chicken 425

R. H. Neubauer, R. Levy, B. C. Strnad and H. Rabin. Reactivity of monoclonal antibodies against human leucocyte antigens with lymphocytes of non-human primate origin 433

OLGA HALLE-PANNENKO AND HILLIARD FESTENSTEIN. Incompatibility for or pre-immunization against M1s determinants decreases lethal graft-versus-host reaction developed across non-H-2 and/or H-2 barriers 443

J. J. BONNER. Vaginal septa frequency influenced by major histocompatibility complex, H-2 455

C. F. SCHOTT, ELAINE F. LIZZIO AND B. MERCHANT. Murine immune memory to a TI-2 antigen, DNP-Ficoll: carrier-specificity, genetic enhancement and phenotypic dominant inheritance 459

MARIE M. GRIFFITHS AND C. W. DE WITT. Immunogenetic control of experimental collagen-induced arthritis in rats. II. ECIA susceptibility and immune response to type II collagen (calf) are linked to RT1 463

C. J. KRCO, A. L. KAZIM, M. Z. ATASSI, R. MELVOLD AND C. S. DAVID. Genetic control of the immune response to haemoglobin. III. Variant A_β (bm12) but not A_e (D2.GD) Ia polypeptides alter immune responsiveness towards the α-subunit of human haemoglobin 471

J. J. MARCHALONIS AND A. J. STRELKAUSKAS. A marmoset T lymphoma which functions as a human amplifier T cell 477

R. NORDHAGEN, B. OLAISEN, P. TEISBERG, T. GEDDE-DAHL JR AND E. THORSBY. *C4* haplotype products and partial inhibition of anti-Rodgers sera 485

P. D. GREENBERG, M. A. CHEEVER AND A. FEFER. Definition of alien H-2 determinants on a Friend leukaemia by analysis of alloreactivity of CTL from primary MLC 493

R. E. BRADY, M. M. GLOVSKY, G. OPELZ, P. TERASKI AND D. M. MALISH. The association of an HLA 'asthma-associated' haplotype and immediate hypersentivity in familial asthma 509

SHORT COMMUNICATIONS

B. BUDOWLE, R. C. P. GO, B. O. BARGER AND R. T. ACTON. Properdin factor B polymorphism in black Americans 519

SUSAN HEYNER AND R. D. HUNZIKER. Oocytes react with antibody directed against *H-2* but not Ia antigens 523

M. S. SCHANFIELD, R. BAYLERIAN, J. MAIQUEZ AND F. CARBONNELL. Immunoglobulin allotypes in European populations. IV. Gm, Am and Km allotypic markers in Valencia, Spain 529

BOOK REVIEWS 533

AUTHOR INDEX TO VOLUME 8 537